

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. - 5. (Canceled)

6. (New) A piston supporting structure for a linear compressor, the linear compressor including a cylinder, a piston reciprocating in an axial direction of the cylinder, an inner lamination fixed on a circumference of the cylinder, a cover member placed at a distance from the piston, a first spring disposed between the cover member and the piston, a second spring disposed between the piston and the inner lamination, comprising:

a first spring support member fixed on the cover member and formed of a ring shaped plate on which an end of the first spring is supported to be movable in a radial direction of the first spring;

a second spring support member fixed on one side of the piston, the second support member having a ring shaped plate portion on which another end of the first spring is supported and a circumferential unit extending from an inner circumference of the ring shaped plate portion toward the cover member in the axial direction of the piston for being fixed with an inner circumference of the first spring;

a third spring support member fixed on an opposite side of the piston on which the second spring support member is fixed, the third spring support member having a ring shaped plate portion on which an end of the second spring is supported and a circumferential unit extending from an inner circumference of the ring shaped plate portion toward the lamination ^{push on it} core in an axial direction of the piston for being fixed with an inner circumference of the second spring; and

a fourth spring member fixed on the inner lamination and formed of a ring shaped plate on which another end of the second spring is supported to be movable in a radial direction of the second spring.

7. (New) The piston supporting structure according to claim 6, wherein the first spring support member comprises:

a ring shaped plate portion formed of the flat surface perpendicular to the first spring for allowing radial movement of the first spring; and

a circumferential unit extending from an inner circumference of the ring shaped plate portion in an axial direction of the piston at a distance from the inner circumference of the first spring for limiting a radial movement of the first spring.

8. (New) The piston supporting structure according to claim 6, wherein the fourth spring support member comprises:

a ring shaped plate portion formed of a flat surface perpendicular to the second spring for allowing a radial movement of the second spring; and

a circumferential unit extended from an inner circumference of the ring shaped plate portion in an axial direction of the piston at a distance from the inner circumference of the second spring for limiting radial movement of the second spring.